Commvault



SOLUTION BRIEF

Commvault Storage Solutions

The Foundation for Recovery Readiness Across On-premises Environments

OVERVIEW

AI-accelerated threats are increasing the speed and scale of disruption as data and critical workloads expand across data centers, remote sites, and hybrid environments. Commvault Storage Solutions provide a family of VaultOS™-hardened architectures designed for different operational and scale requirements. As part of Commvault's broader recovery portfolio, Commvault Edge, Grid, and Flex help organizations establish a more consistent foundation for protection and recovery across on-premises environments while retaining the flexibility to choose the infrastructure best suited to each location.

CONSISTENT PROTECTION ACROSS DIVERSE INFRASTRUCTURE

As recovery risks increase, infrastructure complexity continues to grow alongside them. Data, applications, and critical workloads increasingly span data centers, remote locations, hybrid environments, and AI workloads, each with unique infrastructure requirements. Recovery becomes more difficult when every environment introduces different tools, policies, and operational processes.

Commvault Storage Solutions give organizations the flexibility to deploy the infrastructure that best fits each environment.

BUILT FOR HOW ENVIRONMENTS ACTUALLY GROW

Growth does not look the same across every environment. Remote sites may need right-sized, turnkey protection, while expanding data centers require predictable capacity and performance, and data-intensive environments need greater flexibility to scale at multi-petabyte levels. Built on a common VaultOS™-hardened foundation, Commvault Storage Solutions provide purpose-built architectures that align infrastructure growth with operational and recovery requirements, helping organizations expand protection without unnecessary complexity or overprovisioning.

AT A GLANCE

Commvault Edge	Commvault Grid	Commvault Flex
Right-sized, turnkey protection, up to 100TB	**Predictable, node-based scaling, up to 1.5PB**	**Independent compute and external storage scaling for multi-petabyte environments**
• Hardened-by-design, single-node solution on validated hardware • Local immutable backup with centralized visibility and control through Commvault	• Validated Reference Architecture. Commvault supports the software layer • Automatic load rebalancing to help maintain performance and resiliency as the pool grows	• Align compute and external storage growth with workload and recovery requirements
Deployment Option		
• **Validated Reference Architecture:** Commvault supports the software layer	• **Grid Appliance:** validated, turnkey deployment with coordinated first-call support • **Grid Reference Architecture:** Commvault supports the software layer	• **Flex Appliance:** Validated, turnkey deployment with coordinated first-call support • **Flex Open:** Alternative for qualifying infrastructure or procurement requirements. Commvault supports the software layer
Best Fit		
Remote, branch, retail and edge sites with limited on-site IT resources	Mid-size to large enterprise data centers	Data-intensive workloads and high-growth, PB-scale environments

A CONSISTENT OPERATING MODEL ACROSS ENVIRONMENTS

VaultOS™ Helps Standardize Hardening and Simplify Management
Commvault Edge, Grid, and Flex run on the shared VaultOS™ hardened software foundation. Standardized configurations help simplify deployment and lifecycle management, streamline updates, and reduce configuration variability as environments grow. This supports a more consistent security and operating model, helping IT and security teams keep protection and security controls aligned across on-premises environments.

Centralized Management Across Protected Environments
Centralized visibility and governance help IT and security teams understand protection status, policy, and recovery posture across Edge, Grid, and Flex, alongside the broader workloads protected through Commvault. A more unified view helps teams manage protection consistently, keep recovery workflows aligned, and maintain recovery readiness as environments evolve.

SUPPORTING CLEAN, CONFIRMED RECOVERY

Commvault Storage Solutions are designed to support zero-trust-aligned security principles and multi-layer immutability, and connect protected data with broader cyber resilience workflows.

Commvault Threat Scan supports pre-recovery threat detection, while Commvault Cleanroom supports isolated recovery validation so teams can restore and investigate data while reducing risk to production systems. The result is recovery evidence security teams can bring to auditors and boards, not just a protection claim.

PROVEN RESULTS

Fortune Brands Innovation
Achieved 73% cost savings by consolidating protection for more than 5PB of storage across 12 data center sites, numerous edge locations and clouds, with cyber resilience workflows and policies centrally managed through one console.

Allina Health
Sustained 99.9%+ backup success over 5 years as its Epic EHR environment grew roughly 1TB every three to four weeks, with accelerated backups for extreme database sizes and the granularity to recover only what they need, when they need it.

Go Deeper:
Commvault Storage Solutions help organizations build a more consistent foundation for protection and recovery. For technical depth on a specific solution, see the Commvault Edge, Grid, and Flex solution briefs.

Learn more at commvault.com/solutions/hybrid-and-on-premises.

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